



Force required to push or tow a wheel

 	100 kg	200 kg	300 kg	500 kg	600 kg	800 kg	1000 kg
80x70 mm	1.3	3	5.5	10.3	13.5	----	----
80x90 mm	1.3	2.7	4.4	8.2	10.4	15.3	----
82x70 mm	1	2.6	5.4	11.2	15.3	----	----
82x85 mm	1	2.6	5	10.5	13.9	22	----
82x90 mm	< 1	2.3	4.2	9	12.2	20	----
82x100 mm	< 1	< 1	2.3	6.7	9.8	17.8	28
85x40 mm	1.4	5.3	10.4	----	----	----	----
85x70 mm	< 1	1.9	5.2	10.9	15.5	----	----
85x80 mm	< 1	1.6	4.5	9.5	13.6	24	----
85x90 mm	< 1	< 1	3.5	7.9	11.4	20.5	----
85x100 mm	< 1	< 1	2	5.8	9.3	17	27

For each load and diameter, the table indicates the force (in daN) needed to push or tow a single wheel at the constant speed of 4 km/h on smooth flooring. For manual handling of a 4-wheeled trolley we recommend diameters that have values < 5 daN, for frequent handling we recommend diameters with values < 3 daN.

Available with brackets



**Electrowelded brackets EE MHD**

Maximum carrying capacity 800 daN - available diameters 80-85 mm  
Top plate fitting.

SERIES **75**

"TR" POLYURETHANE PALLET TRUCK ROLLERS  
WITH STEEL CENTRE



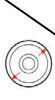

мм	мм	кг	КОД	кг	КОД	мм	мм	мм	мм	даН	даН	даН	даН		
80	40	0,82	752101	0,62	754101	20	40	47	14	450	145	350	240		
80	70	1,06	752102	0,82	754102	20	70	47	14	800	250	700	560		
80	90	1,35	752105	1,11	754105	20	90	47	14	1000	335	900	720		
82	60	0,95	752131	0,75	754131	20	67	47	14	700	310	600	480		
82	70	1,09	752132	0,85	754132	20	70	47	14	800	255	700	560		
82	70	1,04	752232	0,84	754232	20	70	47	16	800	255	700	560		
82	75	1,05	752143	0,85	754143	20	75	47	14	880	300	780	624		
82	85	1,27	752134	1,03	754134	20	85	47	14	900	300	800	640		
82	90	1,33	752135	1,09	754135	20	90	47	14	1000	340	900	720		
82	100	1,45	752137	1,21	754137	20	100	47	14	1100	390	1000	800		
85	40	0,72	752121	0,48	754121	20	40	47	14	450	150	400	320		
85	70	1,12	752122	0,88	754122	20	70	47	14	800	265	700	560		
85	75	1,17	752129	0,93	754129	20	75	47	14	850	285	750	600		
85	80	1,25	752123	1,01	754123	20	80	47	14	900	310	800	640		
85	80	1,18	752223	0,90	754223	25	80	52	15	900	310	800	640		
85	90	1,39	752125	1,15	754125	20	90	47	14	1000	350	900	720		
85	100	1,52	752127	1,28	754127	20	100	47	14	1100	400	1000	800		

Options available to order

















Rollers with customised dimensions

### Force required to push or tow a wheel

 	100 kg	200 kg	300 kg	400 kg	500 kg	600 kg
82x70 mm	1.1	2.7	5	7.8	----	----
82x90 mm	< 1	2.1	4	6.6	9.7	----
82x100 mm	< 1	1.9	3.5	5.4	7.8	10.5
85x70 mm	< 1	2.5	4.7	7.6	11	----
85x90 mm	< 1	2.3	4	6	8	11

For each load and diameter, the table indicates the force (in daN) needed to push or tow a single roller at the constant speed of 4 km/h on smooth floor. For manual handling of a trolley choose diameters that have values < 5 daN, for frequent handling choose values < 3 da N.





													
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	daN	daN	daN	daN
82	70	0.60	772132	0.36	774132	20	70	47	14	<b>550</b>	<b>300</b>	<b>450</b>	<b>360</b>
82	90	0.70	772135	0.46	774135	20	90	47	14	<b>610</b>	<b>340</b>	<b>510</b>	<b>400</b>
82	100	0.76	772137	0.52	774137	20	100	47	14	<b>700</b>	<b>380</b>	<b>600</b>	<b>480</b>
85	70	0.65	772122	0.41	774122	20	70	47	14	<b>600</b>	<b>310</b>	<b>500</b>	<b>400</b>
85	90	0.76	772125	0.52	774125	20	90	47	14	<b>700</b>	<b>350</b>	<b>600</b>	<b>480</b>

### Options available to order

















Rollers fitted with 25 mm bore ball bearings

Force required to push or tow a wheel

 	100 kg	200 kg	400 kg	500 kg	600 kg	700 kg
80x90 mm	<1	1,5	3,5	4,5	5,5	
82x60 mm	1	2	3,5			
82x70 mm	<1	1,5	2,5	4		
82x90 mm	<1	1	2,5	3,5	4,5	
82x100 mm	<1	1,5	2,5	3	3,5	4,5
85x70 mm	<1	1,5	2,8	5		
85x80 mm	<1	1,5	2,5	3,5		
85x90mm	<1	1	2,5	3,5	4,5	
85x100 mm	<1	1	2	3	3,5	

For each load and diameter, the table indicates the force (in daN) needed to push or tow a single wheel at the constant speed of 4 km/h on smooth flooring. For manual handling of a 4-wheeled trolley we recommend diameters that have values < 5 daN, for frequent handling we recommend diameters with values < 3 daN.



													
mm	mm	kg	COD.	kg	COD.	mm	mm	mm	mm	daN	daN	daN	daN
80	90	1,25	792105	1,06	794105	20	90	47	14	<b>750</b>	<b>490</b>	<b>580</b>	<b>460</b>
82	60	0,87	792121	0,67	794121	20	60	47	14	<b>500</b>	<b>400</b>	<b>400</b>	<b>320</b>
82	70	0,98	792122	0,79	794122	20	70	47	14	<b>550</b>	<b>450</b>	<b>450</b>	<b>360</b>
82	90	1,21	792125	1,03	794125	20	90	47	14	<b>750</b>	<b>580</b>	<b>580</b>	<b>460</b>
82	100	1,34	792127	1,15	794127	20	100	47	14	<b>850</b>	<b>620</b>	<b>650</b>	<b>520</b>
85	70	1,04	792132	0,84	794132	20	70	47	14	<b>550</b>	<b>450</b>	<b>450</b>	<b>360</b>
85	80	1,16	792133	0,96	794133	20	80	47	14	<b>600</b>	<b>520</b>	<b>520</b>	<b>400</b>
85	90	1,28	792135	1,08	794135	20	90	47	16	<b>750</b>	<b>580</b>	<b>580</b>	<b>460</b>
85	100	1,40	792137	1,20	794137	20	100	47	14	<b>850</b>	<b>650</b>	<b>650</b>	<b>520</b>

Options available to order




Rollers fitted with 25 mm bore ball bearings












Rollers with labyrinths

Force required to push or tow a wheel






	100 kg	200 kg	300 kg	500 kg	600 kg	800 kg	1000 kg
82x60 mm	1.2	2.6	4.5	7	8.7	----	----
82x70 mm	1.2	2.5	3.8	6.5	7.9	10.8	----
82x90 mm	< 1	1.9	2.9	5.5	6	8.4	10.8
82x100 mm	< 1	1.7	2.6	5	5.5	7.5	9.7






For each load and diameter, the table indicates the force (in daN) needed to push or tow a single wheel at the constant speed of 4 km/h on smooth flooring. For manual handling of a 4-wheeled trolley we recommend diameters that have values < 5 daN, for frequent handling we recommend diameters with values < 3 daN.



			CODE		CODE					Static		4 km/h
mm	mm	kg		kg		mm	mm	mm	mm	daN	daN	daN
82	60	0.47	763011	0.23	761011	20	60	47	14	<b>1000</b>	<b>335</b>	<b>700</b>
82	70	0.49	763012	0.25	761012	20	70	47	14	<b>1100</b>	<b>350</b>	<b>850</b>
82	90	0.57	763014	0.33	761014	20	90	47	14	<b>1300</b>	<b>450</b>	<b>1100</b>
82	100	0.65	763015	0.41	761015	20	100	47	14	<b>1400</b>	<b>500</b>	<b>1200</b>



			CODE		
mm	mm	kg		mm	mm
50	55	0.12	760002	12	55

			CODE		
mm	mm	kg		mm	mm
40	43	0.05	760001	17	45

Options available to order

















Rollers fitted with 25 mm bore ball bearings

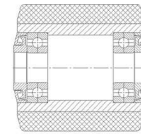
SERIES **74**

**VULKOLLAN® PALLET TRUCK ROLLERS WITH STEEL CENTRE**















													
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	daN	daN	daN	daN
80	70	1.07	742202	0.83	744202	20	70	47	14	<b>1000</b>	<b>300</b>	<b>700</b>	<b>560</b>
80	90	1.38	742105	1.14	744105	20	90	47	14	<b>1200</b>	<b>385</b>	<b>900</b>	<b>720</b>
85	40	0.72	742121	0.48	744121	20	40	47	14	<b>575</b>	<b>180</b>	<b>400</b>	<b>320</b>
85	70	1.13	742122	0.89	744122	20	70	47	14	<b>1000</b>	<b>315</b>	<b>700</b>	<b>560</b>
85	80	1.26	742123	1.02	744123	20	80	47	14	<b>1050</b>	<b>360</b>	<b>800</b>	<b>640</b>
85	80	1.19	742224	0.91	744224	25	80	52	15	<b>1050</b>	<b>360</b>	<b>800</b>	<b>640</b>
85	90	1.41	742125	1.17	744125	20	90	47	14	<b>1200</b>	<b>400</b>	<b>900</b>	<b>720</b>
85	100	1.54	742127	1.30	744127	20	100	47	14	<b>1300</b>	<b>450</b>	<b>1000</b>	<b>800</b>

**With labyrinths**



Labyrinths: protective plastic-rings, with interference assembly in front of the ball bearings. They ensure longer life, protecting them from dust and foreign bodies that may limit the roller's free rotation.

											
mm	mm	kg	CODE	mm	mm	mm	mm	daN	daN	daN	daN
80	65	0.98	743201	20	70	47	20.5	<b>930</b>	<b>280</b>	<b>650</b>	<b>520</b>
80	85	1.32	743202	20	90	47	20.5	<b>1130</b>	<b>360</b>	<b>850</b>	<b>680</b>
85	65	1.07	743203	20	70	47	20.5	<b>930</b>	<b>290</b>	<b>750</b>	<b>600</b>
85	75	1.20	743204	20	70	47	20.5	<b>980</b>	<b>335</b>	<b>750</b>	<b>600</b>
85	75	1.13	743224	25	80	47	20.5	<b>980</b>	<b>335</b>	<b>750</b>	<b>600</b>
85	85	1.35	743205	20	90	47	20.5	<b>1130</b>	<b>375</b>	<b>850</b>	<b>680</b>
85	95	1.48	743206	20	100	47	20.5	<b>1230</b>	<b>425</b>	<b>950</b>	<b>760</b>

**Options available to order**




Rollers fitted with electrowelded brackets EE MHD
















Rollers with customised dimensions

Force required to push or tow a wheel

 	100 kg	200 kg	300 kg	400 kg	500 kg	600 kg	700 kg
82x60 mm	1.2	2.4	3.8	5.2	----	----	----
82x70 mm	< 1	2	3.3	4.8	6.5	----	----
82x80 mm	< 1	1.5	2.4	3.7	5.2	7	----
82x90 mm	< 1	1.5	2.4	3.6	4.8	6.1	7.5
82x100 mm	< 1	1.5	2.4	3.5	4.7	5.9	7.3

For each load and diameter, the table indicates the force (in daN) needed to push or tow a single wheel at the constant speed of 4 km/h on smooth flooring. For manual handling of a 4-wheeled trolley we recommend diameters that have values < 5 daN, for frequent handling we recommend diameters with values < 3 daN.



														
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	daN	daN	daN		
82	60	0.47	782101	0.27	784101	20	60	47	14	450	390	450		
82	70	0.53	782102	0.32	784102	20	70	47	14	500	410	500		
82	80	0.59	782103	0.38	784103	20	80	47	14	600	500	600		
82	90	0.64	782104	0.43	784104	20	90	47	14	700	525	700		
82	100	0.69	782105	0.49	784105	20	100	47	14	750	530	750		

Options available to order



Rollers fitted with 25 mm bore ball bearings